



Science

Grade 5

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October Revision

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Concept One + Two

* طبقاً لأخر تعديل في المادة للعام الدراسي 2022-2023 *



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✱ (1) Write the scientific term:

- 1) A liquid substance that plants, animals and human need to survive. (.....)
- 2) The process by which plant can make its own food. (.....)
- 3) The gas which is released from plants during photosynthesis (.....)
- 4) The source of energy that the plant use to make photosynthesis (.....)
- 5) The process by which plants make their own food by using the energy of sunlight. (.....)
- 6) Parts of the plant where sunlight allows carbon dioxide to combine with water during photosynthesis process. (.....)
- 7) Vessels in plant through which water and nutrients move up from roots to leaves. (.....)
- 8) Narrow holes spread on the surface of plant's leaves that allow gases to come in and out the plant. (.....)
- 9) The gas that the plant needs to make photosynthesis process (.....)
- 10) A part of the plant that fix it in the soil. (.....)
- 11) The stems that are extended above and along the ground. (.....)
- 12) It is found in plant's leaves that gives them green color and absorbs energy from the sunlight (.....)
- 13) Tubes in the plant that transport food materials from the leaves to other parts of the plant. (.....)
- 14) Blood vessels carry blood from the heart to all body parts. (.....)

- 15) Blood vessels carry blood from the body parts and return it back to the heart (.....)
- 16) The human body system that is responsible for transportation of blood and other fluids throughout the body. (.....)
- 17) Parts of the plant that are responsible for reproduction. (.....)
- 18) The process of producing new plants. (.....)
- 19) A community that contains living organisms and nonliving things. (.....)
- 20) The process that takes place inside plants through which we can get oxygen. (.....)
- 21) It is a form of energy that changes into chemical energy during photosynthesis process. (.....)
- 22) It is the primary source of energy for all living organisms on the Earth. (.....)
- 23) A type of living organisms that can produce its own food by absorbing sunlight. (.....)
- 24) The gas that is present in air and necessary for the formation of plant food. (.....)
- 25) The gas that is produced from photosynthesis process. (.....)
- 26) A group of living organisms that can produce their own food. (.....)
- 27) A group of living organisms that can live on decaying organisms. (.....)
- 28) It is a model that shows one linear set of feeding relationships and energy flow between living organisms. (.....)
- 29) The animal that is eaten by another animal. (.....)
- 30) The consumer that hunts and eats another animal. (.....)

✱(2) Complete the following:

1. Different plants have three main common structures which are stem, and
.....
2. Plants make their own food through process that takes place in their
.....
3. The plants use the light of to make their own food.
4. In photosynthesis process, green plant gets from air to make its own food and produces gas that help us to breathe.
5. Inside the green plant , sunlight allows carbon dioxide to combine with that is absorbed from the soil by plant's
6. There are vessels called in the plant that transport water and nutrients to other parts of plant.
7. There are tiny holes in the plant's leaves called that allow gases to move in or out the plant.
8. The presence of in plant's roots help it to absorb more and nutrients from the soil.
9. The stems that are extended above the ground are called
10. Food materials that are produced by process are transported from the leaves to the other parts of the plant through tubes called
11. The green color of plant's leaves is due to the presence of that absorbs energy from
12. Human circulatory system consists of and
13. The blood and other fluids are transported throughout the body by the system.

14. Transport system in the plant consists of two types of vessels which are..... and
15. In plant's leaves, energy is converted into energy during photosynthesis process.
16. An area that provides food, water and shelter to all living organisms which live in it, is known as
17. All living organisms need to do their activities and to carry out their life processes.
18. Hawks attack rabbits to get their energy, while rabbits feed on to get their energy.
19. Both humans and animals cannot produce their own
20. The light energy that is produced from the passes through all living organisms on the Earth.
21. Living organisms include consumers and decomposers.
22. Decomposers and depend on producers to get their energy.
23. The most common producers are
24. In a food chain, the energy flows from consumer to a secondary consumer.
25. The interaction among many food chains is known as

✱(3) Choose the right answer :

- 1. All the following are plant basic needs to make its own food, except**
a. water. b. air. c. sunlight. d. rocks.
- 2. The of plant get water and nutrients from the soil.**
a. roots b. stems c. leaves d. flowers
- 3. Humans and other animals need to eat to get**
a. oxygen gas. b. energy c. carbon dioxide gas. d. soil.
- 4. Plants make their food by a process known as**
a. respiration. b. absorption. c. photosynthesis. d. digestion.
- 5. and are from the plant needs that help it make photosynthesis.**
a. Oxygen - water b. Sunlight - carbon dioxide
c. Water - earth worms d. Nutrients - oxygen
- 6. Plants and humans are similar in some of their basic needs to survive such as**
a. sunlight and rocks. b. water and air.
c. carbon dioxide and soil. d. soil and water.
- 7. Plants take from the air to make its food.**
a. water b. oxygen gas c. carbon dioxide gas d. sugar
- 8. Which of the following sentences is wrong ?**
a. Plants need sunlight to grow.
b. Plant roots absorb water from the soil.
c. Plants make their own food by respiration process.
d. Plants make their own food in their leaves.
- 9. Water and nutrients are carried from the roots to the leaves through the**
a. stem. b. soil. c. fruits. d. flowers.
- 10. Hydroponic system should be full of and to help the plant grow.**
a. water- oil b. sunlight – water c. sand - water d. water- minerals
- 11. In the presence of Sun and water, the seeds can germinate at the beginning of growth without the need of**
a. soil. b. rocks. c. insects. d. dry paper towel.

12.Sunlight and carbon dioxide gas are collected by plant's to make its own food.

- a. roots b. stems c . leaves d. flowers

13.The plant produces through photosynthesis process that gives it the needed energy to grow.

- a. oxygen gas b. water c. carbon dioxide gas d. sugar

14.The roots of a plant absorb from the soil to help it grow.

- a. oxygen gas b. carbon dioxide gas c. sugar d. water

15.Without the plants can't grow well.

- a. insects b. rocks c. sunlight d. moonlight

16.The tubes that are responsible for moving water and nutrients up the plant's stem are called

- a. roots. b. xylem. c. leaves. d. flowers.

17.Stomata are present on plant's to allow air to pass through it.

- a. roots b. stems c. leaves d. flowers

18.All of the following materials can reach the plant's leaves, except

- a. nutrients. b. carbon dioxide gas. c. water. d. soil.

19.The plant's anchor it in the soil.

- a. leaves b. stems c. roots d. flowers

20.There are in the plant's roots that help the plant to get more water and nutrients.

- a. vessels b. root hairs c. stomata d. flowers

21.Apple trees have

- a. wood stems. b. climb stems. c. tubers. d. runners.

22..... tree has narrow leaves.

- a. Potato b. Pine c. Acacia d. Grapes

23.The green plants can make their own food through

- a. roots. b. stems. c. leaves. d. flowers.

24.The green color of plant's leaves is due to the presence of

- a. xylem. b. phloem. c. chlorophyll. d. stomata.

25.Food materials are transported from leaves to other parts of the plant through

- a. xylem. b. phloem. c. chlorophyll. d. stomata.

26.Animals and humans need to breathe.

- a. oxygen gas b. carbon dioxide gas c. water vapor d. sugar

27. Green plants produce all the following substances during photosynthesis process, except

- a. oxygen gas. b. carbon dioxide gas. c. starches. d. fats.

28. carry blood which is rich with oxygen and glucose from the heart to the body cells.

- a. Arteries b. Veins c. Lungs and veins d. Brain and veins

29. Blood rich in carbon dioxide gas return back to the heart through

- a. arteries. b. veins. c. lungs. d. xylem .

30. The system in human that moves blood in the human body is called system.

- a. digestive b. respiratory c. circulatory d. nervous

31. In plant's leaves, light energy is converted into energy during photosynthesis.

- a. sound b. electric c. chemical d. kinetic

32. Plants can produce new seeds by

- a. roots. b. leaves. c. stems . d. flowers .

33. The reproductive parts of many plants are called

- a. veins. b. roots . c. leaves. d. flowers.

34. In, its seeds are small dark-colored objects in the center of this flower.

- a. pine tree b. sunflower c. potato plant d. celery

35. The movement of seeds from a place to another is called

- a. seeds germination. b. seeds dispersal.
c. seeds reproduction. d. seeds growth.

36. All the following can help in seed dispersal, except

- a. wind. b. water. c. human and animals. d. soil and sunlight.

37. A community that includes living organisms and nonliving things is known as

- a. digestive system. b. respiratory system.
c. ecosystem. d. vascular system.

38. The interaction that presents in an ecosystem occurs between

- a. plants and nonliving things only. b. animals and nonliving things only.
c. animals and plants only. d. living organisms and nonliving things.

39. Living organisms that can absorb sunlight to make their own food are

- a. animals only.
- b. plants only.
- c. humans and plants.
- d. animals and plants.

40. Hawk eats a rabbit to get energy, this means that

- a. the hawk is a prey.
- b. the rabbit is a predator.
- c. the hawk is a predator.
- d. hawk and rabbit are predators.

41. All the following are considered as a source of energy for hawks, except

- a. snakes.
- b. birds.
- c. squirrels.
- d. seeds.

42. Caracal obtains its energy by eating

- a. shark.
- b. grass.
- c. mice.
- d. butterfly.

43. Which one of the following living organisms can make its own food ?

- a. Grass.
- b. A worm.
- c. A bird.
- d. A rodent.

44. Plants can make their own food through process.

- a. breathing
- b. photosynthesis
- c. digestion
- d. reproduction

45. The primary source of energy for all living organisms on the Earth is

- a. the Sun.
- b. green plants.
- c. glucose sugar.
- d. photosynthesis process.

46. The energy that comes from the Sun is important for the photosynthesis process.

- a. sound
- b. light
- c. kinetic
- d. potential

47. Which of the following living organisms can make their own food ?

- a. Hawks.
- b. Mice.
- c. Pine trees.
- d. Caracals.

48. Nearly all plants are considered as

- a. consumer organisms.
- b. nonliving things.
- c. decomposer organisms.
- d. producer organisms.

49. Many insects are considered as

- a. producers.
- b. decomposers.
- c. primary consumers.
- d. secondary consumers.

50. Which of the following food chains shows the correct way of energy flow through consumers ?

- a. Secondary consumer _ primary consumer _ tertiary consumer.
- b. Primary consumer secondary consumer tertiary consumer.
- c. Tertiary consumer _ secondary consumer _ primary consumer.
- d. Secondary consumer tertiary consumer primary consumer.

51. Any food chain starts with

- a. insects. b. plants. c. fungi. d. bacteria.

52. Decomposers always the soil.

- a. pollutes b. damage c. benefit d. harm

53. All the following are types of food for primary consumers, except

- a. grasses. b. seeds. c. fruits. d. eagles.

54. Human is a living organism.

- a. producer b. consumer c. decomposer d. predator

55. The predator in a food web usually eats more than one type of

- a. producers. b. consumers. c. decomposers. d. plants.

56. A snake is a predator for mice, while snake is considered as a prey for

- a. rabbit. b. frog. c. eagle. d. deer.

57. The process which happens to all dead organisms is known as process.

- a. photosynthesis b. decomposition
c. breathing d. digestion

✱(4) Put (√) or (X)

1. Plants need water and air only to grow. ()
2. All plants have roots, stems and leaves. ()
3. Each part of the plant has its own function. ()
4. Stem of the plant absorbs water from the soil. ()
5. Human, animals and plants need food and water to survive. ()
6. Plants use the energy of the sunlight to make their own food. ()
7. Carbon dioxide gas is one of the plant needs that helps it to grow and survive. ()
8. The plant can make its own food in the absence of water. ()
9. The seeds that are put in a soil full of water and minerals can grow slower than the seeds that are put in a wet paper towel. ()
10. After many days, the growth of plant's seeds in a pot containing soil is similar to the growth of plant's seeds in a wet paper towel. ()
11. Roots of plants collect sunlight and carbon dioxide gas from air. ()
12. Xylem is important for plants to transfer water from plant's roots to leaves. ()
13. Water and carbon dioxide are absorbed by plant's root to help the plant to grow. ()
14. When the plant makes photosynthesis process, its leaves become weak and yellow. ()
15. Plants and humans are similar in the way of getting food. ()
16. During photosynthesis process, plant absorbs carbon dioxide from air by stomata. ()
17. Light is important for plant growth. ()
18. Plants and humans need water and air to live. ()
19. The plant is fixed in the soil by the help of its roots. ()
20. Potato plants have stems called tubers. ()
21. Chlorophyll in plant's roots absorbs sunlight. ()
22. The leaves of pine trees are flat and wide. ()
23. Phloem transports food materials downward from leaves to other parts of the plant. ()
24. Photosynthesis process produces carbon dioxide gas that help animals and humans to breathe. ()

25. Plants need sunlight, oxygen gas and water to make its own food. ()
26. Chlorophyll helps plant leaves to absorb sunlight to make photosynthesis process. ()
27. Air enters plants through their roots. ()
28. Human circulatory system consists of the heart and the lungs. ()
29. Arteries are vessels in human circulatory system that carry blood rich in carbon dioxide gas. ()
30. Phloem transports water and nutrients from the roots to the leaves. ()
31. Plant's seeds are formed inside the flowers. ()
32. There are many ways of seeds dispersal in nature. ()
33. Coconut seeds can float on water. ()
34. Human could be one of the ways of seed dispersal. ()
35. There is no interaction between the components of an ecosystem. ()
36. Hawks cannot eat some types of food like plant leaves. ()
37. There is no energy flow between living organisms that live in seas and oceans. ()
38. Birds eat insects as a prey to get their energy. ()
39. Butterfly can produce its own food from sunlight. ()
40. All living organisms don 't need energy to survive. ()
41. The first link in any food chain is a consumer. ()
42. Consumers depend on the Sun indirectly to get their food. ()
43. Recycling nutrients back to the ecosystem is the main function of the consumers. ()
44. The predator is a consumer that eats another animal. ()
45. Hawks, crocodiles and sharks are predators. ()
46. Human can eat plants and animals. ()
47. Food web is the interconnected food chains that shows many different feeding relationships. ()
48. In a food chain , the energy transfers from eagles to mice. ()
49. Food web shows interaction between many living organisms. ()

❁(5) Choose from column (B) what suits it in column (A) :

1

(A)	(B)
1. Sunlight	a. is absorbed by the roots of the plant.
2. Soil	b. is necessary for plant's growth.
3. Water	c. is not a basic need for plant growth.
4. Oxygen	d. a gas which is produced during photosynthesis process.
	e. a gas which is the plant uses during photosynthesis process.

1-

2-

3-

4-

2

(A)	(B)
1. Roots	a. allows gases to come in and out the plant.
2. Stems	b. collects sunlight and carbon dioxide gas which combines with water to help the plant to make its own food.
3. Leaves	c. tubes or vessels that move water and nutrients up the plant's stem.
4. Xylem	d. absorbs water and nutrients from the soil.
5. Stomata	e. transport nutrients and water from the roots to all parts of the plant.
	f. absorbs oxygen gas from the soil.

1-

2-

3-

4-

3

(A)	(B)
1. Coconut seeds	a. sticking to animal fur.
2. Maple seeds and dandelion seeds	b. floating on water.
3. Burdock seeds	c. being eaten by animals
4. Tomato seeds and apple seeds	d. traveling by wind.
	e. staying inside flowers without movement

1-

2-

3-

4-

4

(A)	(B)
1. Carbon dioxide gas	a. without its energy, photosynthesis process cannot begin
2. Oxygen gas	b. it combines with oxygen inside the plant leaves to produce glucose sugar.
3. Water	c. it is produced from photosynthesis process.
4. Sunlight	d. it is absorbed by plant roots from the soil.
	e. it combines with water inside the plant leaves to produce glucose sugar.

1-

2-

3-

4-

5

(A)	(B)
1. Photosynthesis process	a. it produces nutrients which is important for soil fertility.
2. Respiration process	b. it produces light which is important for plants.
3. Decomposition process	c. it produces oxygen gas which is important for breathing.
	d. it produces carbon dioxide gas which is important for plants.

1-

2-

3-

4-

6

(A)	(B)
1. Photosynthesis process	a. it is a process in which the blood carry oxygen to all body parts.
2. Decomposition process	b. it is a process in which the nutrients are returned to the ecosystem.
	c. it is a process through which producers can make their own food.

1-

2-

3-

4-

✱(6) Correct the underlined words :

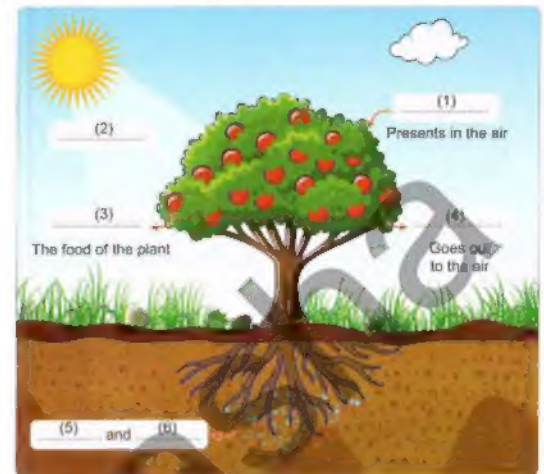
- 1) Respiration process helps the plant to make its own food. (.....)
- 2) Oxygen gas is absorbed by plant's leaves to make photosynthesis process. (.....)
- 3) Plant's leaves absorb water and nutrients from the soil. (.....)
- 4) There are tiny holes on the stem to allow gases passes into the plant. (.....)
- 5) Plant's leaves help it to be fixed in the soil. (.....)
- 6) The plant can absorb more water and nutrients from the soil by the help of xylem that are found in the roots. (.....)
- 7) Animals and people can't live without carbon dioxide gas to breathe. (.....)
- 8) Chlorophyll in plant's roots absorbs energy from the sunlight. (.....)
- 9) Xylem tubes inside the leaves transport food materials downward from the leaves to other parts of the plant. (.....)
- 10) Flowers of plants produce root hairs that help the plant to reproduce. (.....)
- 11) Blood rich with oxygen gas is carried by veins from the heart to the body parts. (.....)
- 12) Human circulatory system consists of the lungs and blood vessels. (.....)
- 13) Phloem tubes carry water and nutrient from the roots to the leaves. (.....)
- 14) Veins carry blood rich in oxygen and nutrients. (.....)
- 15) During photosynthesis process, light energy is transformed into sound energy (.....)
- 16) Coconut seeds disperse by wind. (.....)

☀ (7) TRY TO ANSWER:

1. Label the following figure using the words below :

(Sunlight - Water - Minerals - Carbon dioxide gas - Oxygen gas - Sugar)

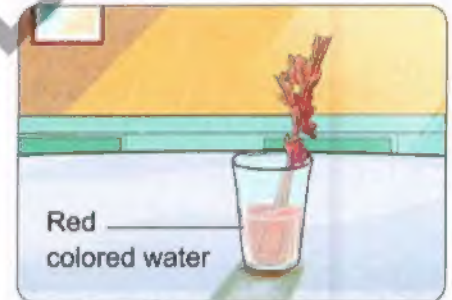
1. _____
2. _____
3. _____
4. _____
5. _____
6. _____



2

Look at the opposite figure then answer :

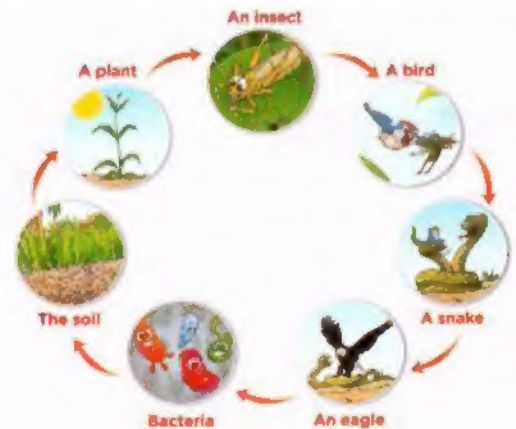
- a. The color of leaves of celery will be _____
- b. Water is transported through _____ that connect the stem to the leaves.



3

Study the following figure that shows the recycling nutrients back into the soil, then complete the sentences below :

1. Photosynthesis process is done by _____, so it is a producer.
2. Decomposition process is done by _____, so they are decomposers.
3. The insect is a _____ consumer, because it eats the plant.
4. The large meat-eating animal is the _____
5. When the eagle dies, its nutrients return back to the soil with the help of _____



Model Answer

✱ (1) Write the scientific term:

1. Water	8. Stomata	16. Circulatory system	22. Sun
2. Photosynthesis process	9. Carbon dioxide	17. Flower	23. Producer
3. Oxygen	10. Roots	18. Reproduction process	24. Carbon dioxide
4. Sun	11. Runners	19. Ecosystem	25. Oxygen gas
5. Photosynthesis process	12. Chlorophyll	20. Photosynthesis process	26. Producer
6. Leaves	13. Phloem	21. Light energy	27. Decomposer
7. Xylem	14. Artery		28. Food chain
	15. Veins		29. Prey
			30. Predator

✱ (2) Complete the following:

1. Leaves – roots	7. Stomata	12. Heart – blood vessels	19. Food
2. Photosynthesis – leaves	8. Root hair – water	13. Circulatory	20. Sun
3. Sun	9. Runners	14. Xylem – phloem	21. Producer
4. Carbon dioxide – oxygen	10. Photosynthesis – phloem	15. Light – chemical	22. Consumer
5. Water – roots	11. Chlorophyll – sunlight	16. Ecosystem	23. Plants
6. Xylem		17. Energy	24. Primary
		18. Plants	25. Food web

✱ (3) Choose the right answer :

1. D	9. A	17. C	25. B	33. D	41. D	49. C	57. B
2. A	10. D	18. D	26. A	34. B	42. C	50. B	
3. B	11. A	19. C	27. D	35. B	43. A	51. B	
4. C	12. C	20. B	28. A	36. D	44. B	52. C	
5. B	13. D	21. A	29. B	37. C	45. A	53. D	
6. B	14. D	22. B	30. C	38. D	46. B	54. B	
7. C	15. C	23. C	31. C	39. B	47. C	55. B	
8. C	16. B	24. C	32. D	40. C	48. D	56. C	

✱ (4) Put (√) or (X)

1. (X)	8. (X)	15. (X)	22. (X)	29. (X)	36. (√)	43. (X)
2. (√)	9. (X)	16. (√)	23. (√)	30. (X)	37. (X)	44. (√)
3. (√)	10. (X)	17. (√)	24. (X)	31. (√)	38. (√)	45. (√)
4. (X)	11. (X)	18. (√)	25. (X)	32. (√)	39. (X)	46. (√)
5. (√)	12. (√)	19. (√)	26. (√)	33. (√)	40. (X)	47. (√)
6. (√)	13. (X)	20. (√)	27. (X)	34. (√)	41. (X)	48. (X)
7. (√)	14. (X)	21. (X)	28. (X)	35. (X)	42. (√)	49. (√)

★(5) Choose from column (B) what suits it in column (A) :

1	1- b	2- c	3- a	4- d	
2	1- d	2- e	3- b	4- c	5- a
3	1- b	2- d	3- a	4- c	
4	1- e	2- c	3- d	4- a	
5	1- c	2- d	3- a		
6	1- c	2- a			

★ (6) Correct the underlined words :

1. Photosynthesis	5. Roots	9. Phloem	13. Xylem
2. Carbon dioxide	6. Root hair	10. Seeds	14. Artery
3. Roots	7. Oxygen	11. Arteries	15. Chemical
4. Leaves	8. Leaves	12. Heart	16. Water

★(7) TRY TO ANSWER:

1	1. Carbon dioxide 2. Sunlight 3. Sugar 4. Oxygen 5. Water 6. Mineral	3	1. Plant 2. Bacteria 3. Primary 4. Eagle 5. Bacteria
2	A – red B – xylem		



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